

Title (en)

Collimator control method and apparatus, and X-ray CT apparatus

Title (de)

Verfahren und Vorrichtung zur Steuerung eines Kollimators, und Röntgenstrahlungen-Computertomograph

Title (fr)

Procédé et dispositif de commande d'un collimateur et dispositif de tomographie à rayons-x assistée par ordinateur

Publication

EP 1205941 A3 20040630 (EN)

Application

EP 01309384 A 20011106

Priority

JP 2000341412 A 20001109

Abstract (en)

[origin: EP1205941A2] In order to control a collimator so that an X-ray impingement position on an X-ray detector is kept constant, an error of the impingement position of a fan-shaped beam (400) in the direction of side-by-side arrangement of a plurality of detector element rows in a detector element array (24) is detected (101), and the collimator is controlled (103) based on the detected error so that the impingement position of the fan-shaped beam is kept at a constant position. <IMAGE>

IPC 1-7

G21K 1/04

IPC 8 full level

A61B 6/00 (2006.01); **A61B 6/03** (2006.01); **A61B 6/06** (2006.01); **G21K 1/04** (2006.01)

CPC (source: EP KR US)

A61B 6/00 (2013.01 - KR); **A61B 6/06** (2013.01 - EP US); **G21K 1/04** (2013.01 - EP US); **A61B 6/4021** (2013.01 - EP US)

Citation (search report)

- [XY] WO 0030538 A1 20000602 - GEN ELECTRIC [US]
- [XA] US 5550886 A 19960827 - DOBBS JOHN [US], et al
- [X] US 5299250 A 19940329 - STYRNOL SIEGFRIED [DE], et al
- [X] EP 0453174 A2 19911023 - GEN ELECTRIC [US]
- [A] US 5563924 A 19961008 - WINKELMANN HELMUT [DE]
- [Y] DATABASE WPI Section EI Week 199516, Derwent World Patents Index; Class U22, AN 1995-120682, XP002278245

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1205941 A2 20020515; **EP 1205941 A3 20040630**; CN 1202781 C 20050525; CN 1352919 A 20020612; JP 2002143144 A 20020521; JP 3964615 B2 20070822; KR 100461285 B1 20041213; KR 20020036724 A 20020516; US 2002076000 A1 20020620; US 6507642 B2 20030114

DOCDB simple family (application)

EP 01309384 A 20011106; CN 01138428 A 20011109; JP 2000341412 A 20001109; KR 20010069368 A 20011108; US 95099701 A 20010912